## What is claimed is:

1	1.	A method of organizing data in a storage device, comprising:
2		receiving data in the storage device;
3		transforming the received data into a first data object; and
4		storing the first data object in a hierarchical data structure, the hierarchical
5	data	structure containing plural levels of data objects.

- 1 2. The method of claim 1, wherein the received data is associated with
- 2 information describing the received data, and the hierarchical data structure contains
- 3 plural levels of interconnected nodes, each node representing a respective data object,
- 4 wherein storing the first data object in the hierarchical data structure comprises
- storing the first data object as one of the nodes based on the information describing
- 6 the received data.
- 1 3. The method of claim 2, wherein receiving the data comprises receiving a file
- 2 having a header portion containing the information describing the received data.
- 1 4. The method of claim 1, wherein the received data is associated with
- 2 information describing the received data, and
- wherein different portions of the hierarchical data structure represent different
- 4 categories of data, and wherein storing the first data object comprises storing the first
- data object in one of the different portions based on the information describing the
- 6 received data.
- 1 5. The method of claim 4, further comprising:
- 2 receiving additional data in the storage device;
- 3 transforming the additional data into a second data object; and
- storing the second data object in a second hierarchical data structure.

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data object,

The method of claim 5, wherein the plural hierarchical data structures store 1 6. respective different groups of data, wherein storing data objects in respective ones of 2 the hierarchical data structures is based on respective types of data contained in the 3 4 data objects. 7. The method of claim 1, wherein receiving the data comprises receiving a first 1 2 file, and the hierarchical data structure comprises a first hierarchical data structure, the 3 method further comprising: 4 receiving a second file in the storage device; 5 transforming the second file to a second data object; and storing the second data object in a second hierarchical data structure. 6 The method of claim 7, wherein each of the first and second files contains 1 metadata to describe data contained in the respective one of the first and second files, 2 wherein storing each of the first and second data objects in a respective one of 3 the first and second hierarchical data structures is based on the metadata associated 4 with a respective one of the first and second files. 5 1 9. An article comprising at least one storage medium containing instructions that 2 when executed cause a storage controller of a storage device to: 3 receive data for storage in the storage device, wherein the received data is 4 associated with metadata; 5 transform the received data into a first data object; and 6 store the first data object in a data structure, the data structure having plural portions for storing plural respective categories of data objects, 7 wherein the first data object is stored in one of the plural portions based on the 8 9 metadata. The article of claim 9, wherein the data structure comprises a hierarchical data 1 10. structure having plural interconnected nodes, each node representing a corresponding 2

wherein storing the first data object comprises storing the first data object as

one of the nodes in the hierarchical data structure based on the metadata.

- 1 11. The article of claim 10, wherein receiving the data comprises receiving a file
- 2 having a header portion containing the metadata.
- 1 12. The article of claim 9, wherein receiving the data comprises receiving a first
- 2 file, and the data structure comprises a first data structure, and wherein the
- 3 instructions when executed cause the system to further:
- 4 receive a second file in the storage device;
- 5 transform the second file into a second data object; and
- store the second data object in a second data structure that stores a different
- 7 category of data objects than the first data structure.
- 1 13. The article of claim 12, wherein the first file is associated with metadata
- 2 indicating a category of data in the first file, and the second file is associated with
- 3 metadata indicating a category of data in the second file,
- 4 wherein storing the first and second data objects in respective first and second
- 5 data structures is based on the respective metadata.
- 1 14. The article of claim 9, wherein the instructions when executed cause the
- 2 system to associate a function with the first data object.
- 1 15. The article of claim 14, wherein the instructions when executed cause the
- 2 system to apply the function to the data object in response to a request to access the
- 3 data object.
- 1 16. A system comprising:
- a storage to store a hierarchical data structure, the hierarchical data structure
- 3 containing plural levels of data objects;
- 4 a module to receive data; and
- 5 a controller to transform the received data into a first data object, and to store
- 6 the first data object in the hierarchical data structure.

- 1 17. The system of claim 16, wherein the storage is to store plural hierarchical data
- 2 structures, the controller is to store the first data object in one of the plural
- 3 hierarchical data structures based on metadata associated with the received data.
- 1 18. The system of claim 17, wherein the module is to receive additional data, and
- 2 the controller is to transform the additional data into a second data object, and to store
- 3 the second data object in another one of the plural hierarchical data structures based
- 4 on metadata associated with the additional data.
- 1 19. The system of claim 17, wherein the received data comprises a first file, and
- 2 the data object comprises a first data object, the module to further receive a second
- file and the controller to transform the second file to a second data object, each of the
- 4 first and second files associated with respective metadata,
- 5 the controller to store the first data object in a first one of the hierarchical data
- 6 structures based on the respective metadata indicating that the first file contains data
- 7 belonging to a first category, and
- 8 the controller to store the second data object in a second one of the
- 9 hierarchical data structures based on the respective metadata indicating that the
- second file contains data belonging to a second category.
  - 1 20. The system of claim 16, wherein the received data is associated with
  - 2 information describing the received data, and the hierarchical data structure includes
  - 3 plural portions to store different categories of data,
  - 4 the controller to store the first data object in one of the plural portions based
  - on the information associated with the received data that indicates a category of the
  - 6 received data.

1	21. The system of claim 16, wherein the received data is associated	with
2	information to indicate a category of the received data, and the hierarch	ical data
3	structure comprises a tree of interconnected nodes,	
4	the controller to store the data object in the hierarchical data stru	cture as a
5	node in the tree of interconnected nodes based on the information indica	ating the
6	category of the received data.	